Fig.1.

PSTN 20

21 Fixed Networks

17 17a HLR
17b HLR

MOBILE SWITCHING CENTRE

VLR 16

14

BSC 13

BST

11
12

10

SDM-FT

Provisioning
Server

subscriber
admin

ACTIVE subs

STANDBY subs

HLR Sys data

Switch data

Message Diversion

DMS-HLR
Node A

subscriber
admin

SDM-FT

Provisioning
Server

subscriber
admin

sync Traffic
MAP/SS7

STANDBY subs

ACTIVE subs

HLR Sys data

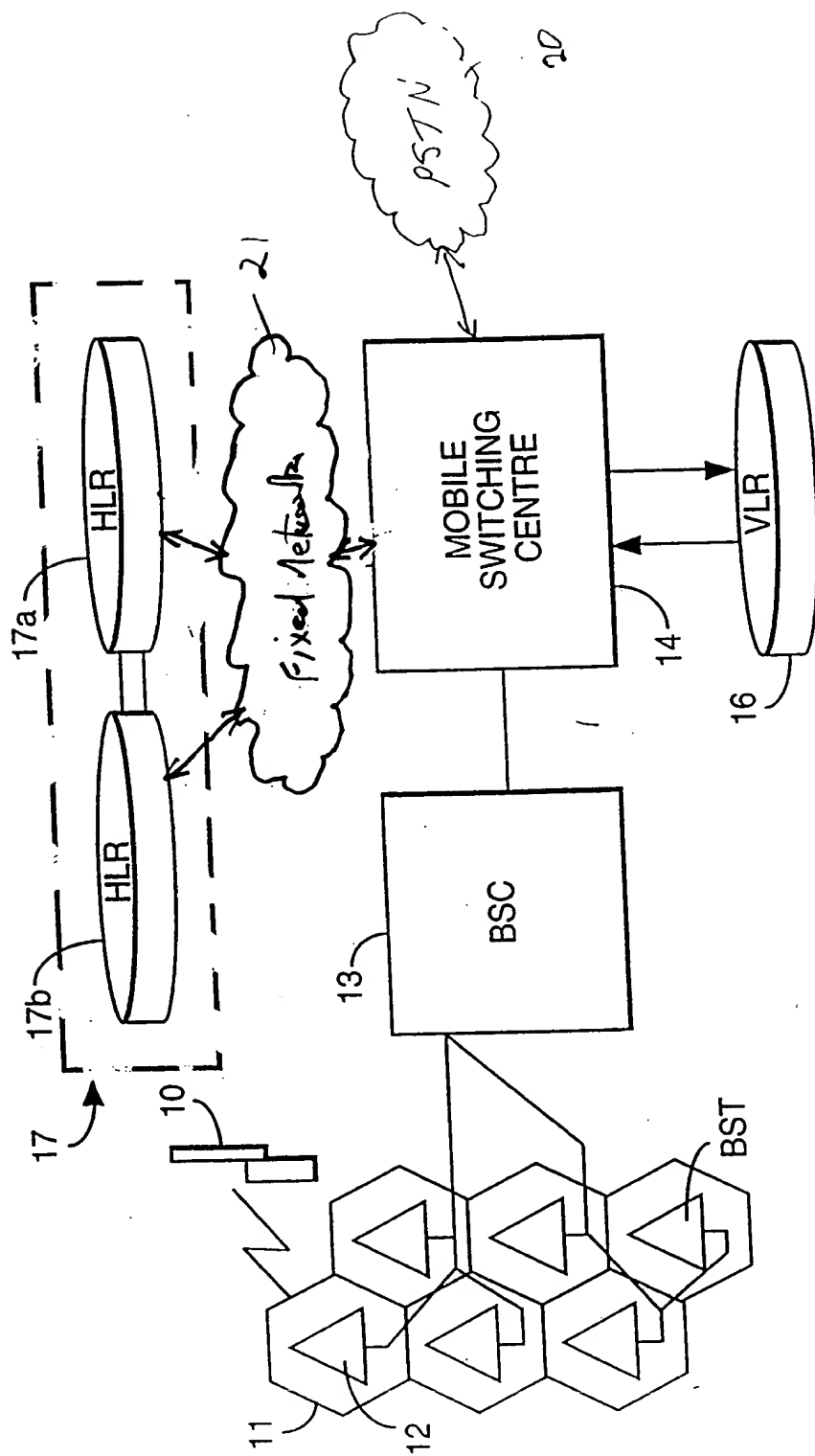Switch data
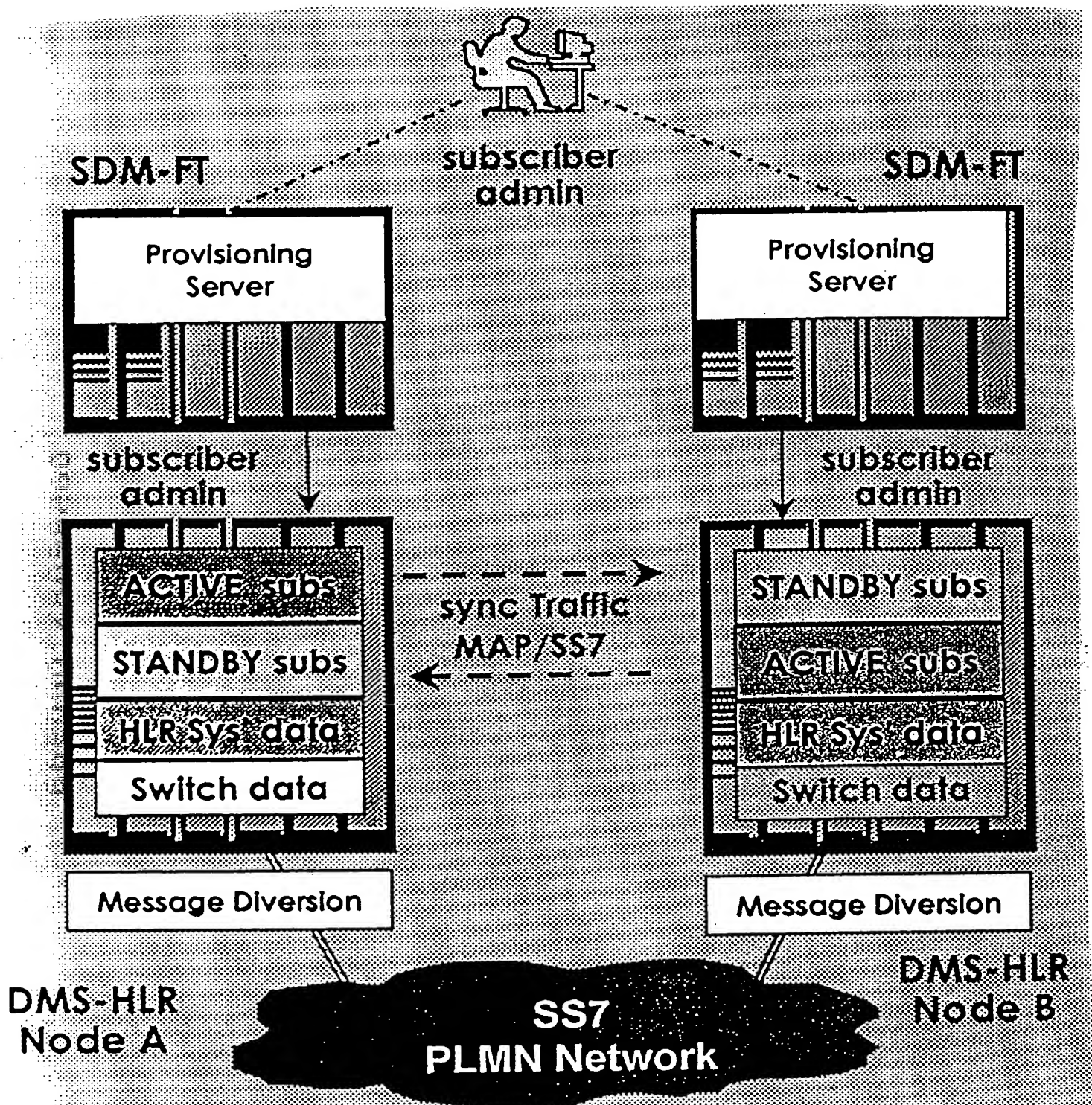
Message Diversion

DMS-HLR
Node B

SS7
PLMN Network

Fig 2.

On Line Data Migration of Active Subscribers A to B
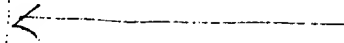
Implement Diversion Functions from A to B and from B to A
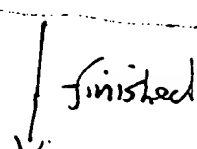
Re-route HLR transactions through fixed network to B.

for each subscriber to be migrated

Lock one/next subscriber in A

Transfer to B.

finished

Change subscriber addresses in network and VLR's

Fig 3.

Fig.4.

Fig.4.

HLRPARM
000

173a
SUBSCRIBER DATABASE
DATA
INDEX
172a
KNOWN SERVICE
SERVICE ENGINE
171a
SCCP
xyz def
def xyz
17a

HLRPARM
def

173b
SUBSCRIBER DATABASE
DATA
INDEX
172b
UNKNOWN
SERVICE ENGINE
171b
SCCP
def xyz
abc xyz
CdPA
CgPA
17b

SS7 NETWORK
21

MSC/VLR
POINTCODE: xyx

RESPONSE

REQUEST
CdPA=GT OR PC